

### **REMARKS**

This amendment is submitted in reply to the Office Action dated April 5, 2006. Claims 1-41 currently stand rejected. Applicants have amended independent claims 1, 17 and 29 to further distinguish the claimed invention over the cited references. Newly added claims 42-44 have been added to further define patentable aspects of the invention. No new matter has been added by the amendment.

In light of the amendment and the remarks presented below, Applicants respectfully request reconsideration and allowance of all now-pending claims of the present application.

#### **Claim Rejections Under 35 U.S.C. §102(e)**

Claims 1, 3, 4, 14, 17, 25-29, 33, 38, 39 and 41 stand rejected under 35 U.S.C. §102(e) as being anticipated by Liebenow (U.S. Patent Application Publication No. 2004/0162117).

Independent claim 1 has been amended to recite, *inter alia*, that the first data transfer interface is paired with the mobile terminal by storing a pairing key that is common to both the first data transfer interface and the mobile terminal to provide authentication of the mobile terminal and that the charging unit provides the mobile terminal with battery charging and the first data transfer interface provides the mobile terminal with simultaneous data transfer in response to successful authentication of the mobile terminal.

Liebenow is directed to a cellular or cordless phone capable of power line networking using its base station and/or charger. However, Liebenow fails to teach or suggest that the first data transfer interface is paired with the mobile terminal by storing a pairing key that is common to both the first data transfer interface and the mobile terminal to provide authentication of the mobile terminal and that the charging unit provides the mobile terminal with battery charging and the first data transfer interface provides the mobile terminal with simultaneous data transfer in response to successful authentication of the mobile terminal as claimed in independent claim 1. Independent claims 17 and 29 have also been amended to include similar recitations to that of independent claim 1 with respect to using a pairing key to provide authentication of the mobile terminal. Thus, independent claims 17 and 29 are patentable for at least the reasons given above for independent claim 1. Claims 3, 4, 14, 25-28, 33, 38, 39 and 41 depend either directly or

indirectly from corresponding ones of independent claims 1, 17 and 29, and thus include all the recitations of their corresponding independent claims. Therefore, dependent claims 3, 4, 14, 25-28, 33, 38, 39 and 41 are patentable for at least those reasons given above for independent claims 1, 17 and 29.

Accordingly, for all the reasons stated above, Applicants respectfully submit that the rejections of claims 1, 3, 4, 14, 17, 25-29, 33, 38, 39 and 41 are overcome.

**Claim Rejections Under 35 U.S.C. §103(a)**

Claims 2, 5-13, 15, 18-24, 30 and 34-37 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Liebenow in view of Tomlinson Jr. (U.S. Patent Application Publication No. 2003/0100288).

As stated above Liebenow fails to teach or suggest that the first data transfer interface is paired with the mobile terminal by storing a pairing key that is common to both the first data transfer interface and the mobile terminal to provide authentication of the mobile terminal and that the charging unit provides the mobile terminal with battery charging and the first data transfer interface provides the mobile terminal with simultaneous data transfer in response to successful authentication of the mobile terminal as recited in independent claim 1.

Tomlinson Jr. is directed to an enhanced bridge between a power line communication (PLC) system and a radio frequency (RF) communication system. In this regard, Tomlinson Jr. discloses at paragraph [0021] that the bridge (110) performs protocol conversions between the RF and PLC systems which may include decryption of received encrypted messages followed by reencryption under a different keying variable. However, the encryption and decryption of Tomlinson Jr. are performed on messages and do not represent a mechanism to provide authentication of the mobile terminal. Furthermore, Tomlinson Jr. fails to disclose any analog to the pairing key which is common to both the charging unit and the mobile terminal as recited in the claimed invention. Furthermore, Tomlinson Jr. fails to disclose that simultaneous charging and data transfer occur in response to a successful authentication of the mobile terminal. Accordingly, Tomlinson Jr. fails to teach or suggest that the first data transfer interface is paired with the mobile terminal by storing a pairing key that is common to both the first data transfer

interface and the mobile terminal to provide authentication of the mobile terminal and that the charging unit provides the mobile terminal with battery charging and the first data transfer interface provides the mobile terminal with simultaneous data transfer in response to successful authentication of the mobile terminal as recited in independent claim 1.

Since both Liebenow and Tomlinson Jr. fail to teach or suggest that the first data transfer interface is paired with the mobile terminal by storing a pairing key that is common to both the first data transfer interface and the mobile terminal to provide authentication of the mobile terminal and that the charging unit provides the mobile terminal with battery charging and the first data transfer interface provides the mobile terminal with simultaneous data transfer in response to successful authentication of the mobile terminal as recited in independent claim 1, any combination of Liebenow and Tomlinson Jr. likewise fails to teach or suggest the above recited feature. Thus, independent claim 1 is patentable over the combination of Liebenow and Tomlinson Jr. Independent claims 17 and 29 have also been amended to include similar recitations to that of independent claim 1 with respect to pairing the mobile terminal and the charging unit using a pairing key to provide authentication of the mobile terminal. Thus, independent claims 17 and 29 are patentable for at least the reasons given above for independent claim 1. Claims 2, 5-13, 15, 18-24, 30 and 34-37 depend either directly or indirectly from corresponding ones of independent claims 1, 17 and 29, and thus include all the recitations of their corresponding independent claims. Therefore, dependent claims 2, 5-13, 15, 18-24, 30 and 34-37 are patentable for at least those reasons given above for independent claims 1, 17 and 29. Accordingly, for all the reasons stated above, Applicants respectfully submit that the rejections of claims 2, 5-13, 15, 18-24, 30 and 34-37 are overcome.

#### **Newly Added Claims**

Applicants have added new claims 42-44 to more particularly define aspects of the present application. The new claims include no new matter and are fully supported by the specification and the drawings of the present application.

Accordingly, it is believed that the new claims are in condition for allowance.

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### **CONCLUSION**

In view of the amended claims and the remarks presented above, it is respectfully submitted that all of the claims are in condition for allowance. Accordingly, a Notice of Allowance is respectfully requested in due course. The Examiner is encouraged to contact Applicants' undersigned attorney to resolve any remaining issues in order to expedite examination of the present application.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,



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